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Attorney Docket No. 15308US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Christian Lutkemeyer

Serial No. 10/774,151

Filed: February 5, 2004

For: HARDWARE EFFICIENT  
IMPLEMENTATION OF FINITE  
IMPULSE RESPONSE FILTERS  
WITH LIMITED RANGE INPUT  
SIGNALS

Group Art Unit: 2819

Confirmation No.: 7309

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is  
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*July 21, 2004*

*[Signature]*  
Fredrick T. French III  
Reg. No. 52,524

TRANSMITTAL OF  
INFORMATION DISCLOSURE STATEMENT  
AFTER APPLICATION FILING DATE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**ENCLOSURES**

Enclosed are the following:

- \* A completed form PTO/SB/08A which has one (1) page. Each reference listed in the enclosed form PTO/SB/08A not previously provided to or by the PTO in this application.
- \* A copy of the printed reference listed in the enclosed form PTO/SB/08A and not previously provided to or by the PTO in this application. Four (4) references are enclosed.

## FEE DETERMINATION

\* No fee is believed to be due because:

- \* The applicant(s) believe(s) that this statement and enclosures are being filed before the first Office action on the merits has been mailed by the PTO. The basis of this belief is that no Office action on the merits appears to have been received by the undersigned to date.

The Commissioner is hereby authorized to charge any additional fees which are presently required, or credit any overpayment, to Deposit Account No. 13-0017.

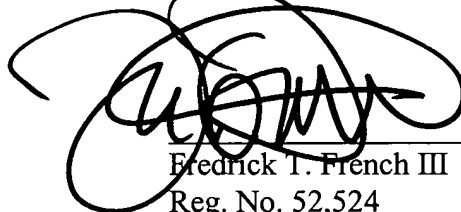
## REQUEST FOR CONSIDERATION

This paper and enclosures are believed to be entitled to consideration under 37 C.F.R. § 1.97, based on the facts stated above. The Examiner is requested to initial both copies of the enclosed PTO-1449 (modified) and return one copy to the applicants to indicate consideration of the enclosed references.

Dated:

*July 21, 2004*

Respectfully submitted,



Fredrick T. French III  
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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
Application Number				10/774,151	
Filing Date				February 5, 2004	
First Named Inventor				Christian Lutkemeyer	
Group Art Unit				2819	
Examiner Name				Not assigned	
Attorney Docket Number				15308US01	
Sheet	1	of	1		

## U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1				
	A2				
	A3				
	A4				
	A5				

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	A6					
	A7					
	A8					
	A9					
	A10					

## OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A11	MULTIPLIER, "The multiplier," pp. 9-1 to 9-18
	A12	COMPUTER SYSTEMS LABORATORY, STANFORD UNIVERSITY, "Lecture 9: Multipliers," pp. 9-1 to 9-27
	A13	<a href="http://www.electrotec.com/Gigabit_Explained.htm">http://www.electrotec.com/Gigabit_Explained.htm</a> , "1000BASE-T OVERVIEW," November, 2003, pp. 1-5
	A14	<a href="http://www.elecdesign.com/Globals/PlanetEE/Content/2709.html">http://www.elecdesign.com/Globals/PlanetEE/Content/2709.html</a> , "Gigabit Ethernet PHY Chip Sets LAN Speed Record For CopperStory," November 1998, pp. 1-6
	A15	

EXAMINER SIGNATURE	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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